

UK Patent Application (19) GB (11) 2 374 098 (13) A

(43) Date of Printing by UK Office 09.10.2002

(21) Application No 0210462.8

(22) Date of Filing 06.09.2001

(30) Priority Data
(31) 60231627 (32) 11.09.2000 (33) US
(31) 60236484 (32) 29.09.2000
(31) 60287626 (32) 30.04.2001

(86) International Application Data
PCT/US2001/027581 En 06.09.2001

(87) International Publication Data
WO2002/023009 En 21.03.2002

(51) INT CL⁷
E21B 43/08, B01D 29/00, E21B 43/10

(52) UK CL (Edition T)
E1F FJF

(56) Documents Cited by ISA
None

(58) Field of Search by ISA
NOT YET ADVISED

(71) Applicant(s)

Baker Hughes Incorporated
(Incorporated in USA - Delaware)
3900 Essex Lane, Suite 1200, P.O. Box 4740, Houston,
Texas 77210-4740, United States of America

(72) cont
John T Broome
Ken Dyson
Simon Angelle
John L Baugh

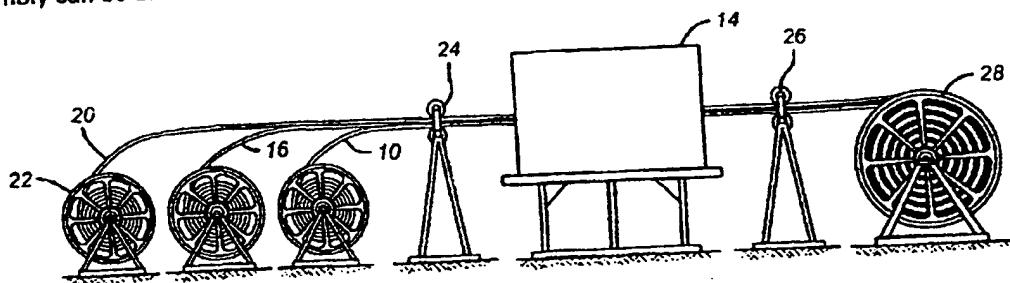
(74) Agent and/or Address for Service
Murgitroyd & Company
Scotland House, 165-169 Scotland Street,
GLASGOW, G5 8PL, United Kingdom

(72) Inventor(s)

Benn A Voll
Rick Peterson

(54) Abstract Title
Multi-layer screen and downhole completion method

(57) A downhole completion method and an expandable filtration apparatus are disclosed. The filter assembly comprises a plurality of layers beginning with a coated perforated base pipe. The coating reduces the force required for expansion. A drainage layer overlays the base pipe with the filtration layer above it. The drainage layer improves flow through the filtration layer and protects it from burrs in the base pipe. A filtration enhancement layer fits over the filtration layer and an outer shroud protects the assembly during run in. The assembly can be used as made or expanded downhole in one or a series of expansions.



GB 2 374 098 A